

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR2004/003398A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01H31/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	FR 1 292 079 A (THOMSON HOUSTON COMP FRANCAISE) 27 April 1962 (1962-04-27) column 1, paragraph 2; figures 1-4 -----	1-3, 17, 18, 23-28
Y	US 1 732 839 A (FREDRIKSEN HARDY M) 22 October 1929 (1929-10-22) column 2, line 71 - line 77 -----	1-3, 17, 18, 23-28
A	FR 2 204 864 A (ALSTHOM CGEE) 24 May 1974 (1974-05-24)  page 1, line 5 - line 7; figures 1-5 -----	1, 7, 11, 14, 16, 17, 23, 27
A	EP 0 649 994 A (BAL SEAL ENG CO INC) 26 April 1995 (1995-04-26) abstract; figure 1 -----	1, 11-15

 Further documents are listed in the continuation of box C

Patent family members are listed in annex.

## ° Special categories of cited documents :

- °A° document defining the general state of the art which is not considered to be of particular relevance
- °E° earlier document but published on or after the international filing date
- °L° document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- °O° document referring to an oral disclosure, use, exhibition or other means
- °P° document published prior to the International filing date but later than the priority date claimed

- °T° later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- °X° document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- °Y° document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- °&° document member of the same patent family

Date of the actual completion of the International search

8 June 2005

Date of mailing of the International search report

08/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx 31 651 epo nl.  
Fax (+31-70) 340-3016

Authorized officer

Tappeiner, R

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/FR2004/003398

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
FR 1292079	A	27-04-1962	US	3008022 A		07-11-1961
US 1732839	A	22-10-1929	NONE			
FR 2204864	A	24-05-1974	FR	2204864 A1		24-05-1974
EP 0649994	A	26-04-1995	US	5545842 A		13-08-1996
			AT	153111 T		15-05-1997
			DE	69403172 D1		19-06-1997
			DE	69403172 T2		08-01-1998
			EP	0649994 A1		26-04-1995
			JP	7174115 A		11-07-1995